

Claims 1-31 (cancelled).

Claim 32. (Currently Amended) A method for the generation of cells expressing cancer-testis antigens antigen-presenting cells comprising:

- a) collecting said peripheral blood mononuclear cells from a subject ;
- b) activating said collected cells to form activated cells;
- c) culturing and optionally expanding ex vivo said activated cells;
- d) treating said cultured and optionally expanded cells with DNA hypomethylating agents so that said cells concomitantly express said multiple tumor-associated antigens.

Claim 33. (Previously Added) A method according to claim 32, wherein said subject is a mammal.

Claim 34. (Previously Added) A method according to claim 33 wherein said subject is a human.

Claim 35. (Previously Added) A method according to claim 33, wherein said subject is a cancer patient.

Claims 36-38 (Cancelled).

Claim 39. (Currently Amended) A method according to claim 32, wherein said peripheral blood mononuclear cells are Epstein-Barr virus-immortalized B-lymphoblastoid cell lines.

Claim 40. (Currently Amended) A method according to claim 32, wherein said activated cells are Pokeweed mitogen (PWM)-activated B-lymphocytes.

Claim 41. (Currently Amended) A method according to claim 32, wherein said activated cells are CD40 activated B-lymphocytes.

Claim 42. (Currently Amended) A method according to claim 32, wherein said activated cells are Phytohemagglutinin (PHA) + recombinant human interleukin-2 (rhIL-2)-activated PBMC.

Claim 43. (Currently Amended) A method according to claim 32, wherein activated said cells are Phytohemagglutinin (PHA) + recombinant human interleukin-2 (rhIL-2) + pokeweed mitogen (PWM)-activated PBMC.

Claims 44-45. (Cancelled)

Claim 46. (Previously Added) A method according to claim 32, wherein histone deacetylase inhibitors are further used in step d).

Claim 47. (Previously Added) A method according to claim 32, wherein said DNA hypomethylating agent is selected from 5-aza-cytidine or 5-aza-2'-deoxycytidine.

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Claim 48. (Currently Amended) Cells obtainable by the method according to any of claims 32-35, 39-43 and 49 4.

Claim 49. (New) A method according to claim 33 wherein said subject is a healthy subject.